PTO-1390 (Rev. 07-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMER CE

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TRANSMITTAL LETTER TO THE UNITED STATES	ATTORNEY'S DOCKET NUMBER 514572000300
DESIGNATED/ELECTED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (if known, see 37 CFR 1.5)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	10/537,378
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/CN2003/000329 6 May 2003	PRIORITY DATE CLAIMED 3 December 2002
TITLE OF INVENTION CHEMICALLY AMPLIFIED ELECTROCHEMICAL DETECTION OF AFFIN	IITY REACTION
APPLICANT(S) FOR DO/EO/US	
Lianghong GUO et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/	I IS) the following items and other information:
1. This is a FIRST submission of items concerning a submission under 35 U.	•
2. X This is a SECOND or SUBSEQUENT submission of items concerning a su	
3. This is an express request to begin national examination procedures (35 U include items (5), (6), (9) and (21) indicated below.	•
4. The US has been elected (Article 31).	•
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))	
a. is attached hereto (required only if not communicated by the Internatio	nal Bureau).
b. has been communicated by the International Bureau.	•
c. is not required, as the application was filed in the United States Receive	ring Office (RO/US).
6. An English language translation of the International Application as filed (35)	5 U.S.C. 371(c)(2)).
a. is attached hereto.	•
b. has been previously submitted under 35 U.S.C. 154(d)(4).	
7. Amendments to the claims of the International Application under PCT Artic	de 19 (35 U.S.C. 371(c)(3))
a. are attached hereto (required only if not communicated by the Internation	ional Bureau).
b. have been communicated by the International Bureau.	
c. have not been made; however, the time limit for making such amendm	ents has NOT expired.
d. have not been made and will not be made.	
8. An English language translation of the amendments to the claims under Pe	CT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).	
An English language translation of the annexes of the International Prelimi Article 36 (35 U.S.C. 371(c)(5)).	nary Examination Report under PCT
Items 11 to 20 below concern document(s) or information included:	·
11. x An Information Disclosure Statement under 37 CFR 1.97 and 1.98 (3)	pages).
12. An assignment document for recording. A separate cover sheet in compliant	ance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.	
14. An Application Data Sheet under 37 CFR 1.76.	
15. A substitute specification.	
16. A power of attorney and/or change of address letter.	`
17. A computer-readable form of the sequence listing in accordance with Po	CT Rule 13 <i>ter</i> .2 and 37 CFR 1.821 – 1.825.
18. A second copy of the published International Application under 35 U.S.C	C. 154(d)(4).
19. A second copy of the English language translation of the international approximation of the international approximation and the international approximation of the international approximation approximation approximation of the international approximation approximat	oplication under 35 U.S.C. 154(d)(4).

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/537,378 INTERNATIONAL APPLICATION NO. PCT/CN2003/000329			ATTORNEY'S DOC 5145	KET NUMBER 72000300			
20. X Other items or information: Form PTO/SB/08a/b (1 page + duplicate) 9 References Return Receipt Postcard					uplicate)		
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		•	1.21(h)). The assignment 40.00 per property	nt must	be accompanied +	\$	
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C. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-1952 . A duplicate copy of this sheet is enclosed.						
d. Fees are to be charged to a credit card. WAR should not be included on this form. Provide		-				
NOTE: Where an appropriate time limit under 37 CF filed an granted to restore the International Application		et, a petition	to revive (37 CFR 1.137(a) or (b)) must be		
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SEND ALL CORRESPONDENCE TO:	_	SIGNATU	RE			
Peng Chen Morrison & Foerster LLP			_			
3811 Valley Centre Drive - Suite 500 San Diego, CA 91230-2332	_	REG	7	NUMBER: 43,543		
CUSTOMER NUMBER: 25225						
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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/537,378	INTERNATIONAL APPLICAT		A	TTORNEY'S DOCKET NUMBER 514572000300		
I hereby certify that this correspondence is being depart an envelope addressed to: MS PCT, Commissioner below.	for Patents, P.O. Box 14	50, Alexandria	a, VA 2231	3-1450, on the date shown		
Dated: August <u>23</u> , 2005	Signature:	lea l	lm	(Rhea Amid)		

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, 1450, on the date shown below.

1400, of the date shown below.

Dated: 8-73-05 Signature: (Rhea Amic

Patent Docket No. 514572000300

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Lianghong GUO et al.

Serial No.: 10/537,378

Filing Date (Int'l): May 6, 2003

For: CHEMICALLY AMPLIFIED

ELECTROCHEMICAL DETECTION OF

AFFINITY REACTION

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

The document numbers 4, 5, 6, 7, and 8 listed on the attached Form PTO/SB/08a/b were cited in an International Search Report mailed on August 21, 2003, directed to a counterpart international or foreign application and have not been previously cited.

	This In	formation Disclosure Statement is submitted:
	With	the application; accordingly, no fee or separate requirements are required.
	Befor	e the mailing of a first Office Action after the filing of a Request for Continued
	Exam	ination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97
	(e)(1)	has been provided.
\boxtimes	Withi	n three months of the application filing date or before mailing of a first Office Action
	on the	e merits; accordingly, no fee or separate requirements are required. However, if
	applio	cable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
	After	receipt of a first Office Action on the merits but before mailing of a final Office Action
	or No	tice of Allowance.
		A fee is required. A check in the amount of is enclosed.
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to
		this submission in duplicate.
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is
		believed to be due.
	After	mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue	fee.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

form (PTO/SB/17 is attached to this submission in duplicate.)

amount of __ is enclosed.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal

(iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing <u>514572000300</u>.

Dated: August $\frac{2}{3}$, 2005

Respectfully submitted,

By_____Peng Chen

Registration No.: 43,543
MORRISON & FOERSTER LLP
3811 Valley Centre Drive
Suite 500
San Diego, California 92130-2332

Substit	Substitute for form 1449/PTO			Complete if Known		
			Application Number	10/537,378		
INF	INFORMATION DISCLOSURE			Filing Date	(Int'I) May 6, 2003	
ST	STATEMENT BY APPLICANT		First Named Inventor	Lianghong GUO		
			Art Unit	Not Yet Assigned		
	(Use as many	sheets as ne	ecessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	514572000300	

	U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
Initials*	No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
	1.	US-5,312,527	05-17-1994	Mikkelsen et al.		
	2.	US-5,871,918	02-16-1999	Thorp et al.		
	3.	US-6,221,586	04-24-2001	Barton et al.		
	4.	US-6,277,576	08-21-2001	Meade et al.		
	5.	US-6,346,387	02-12-2002	Stewart et al.		

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	6.	CN-1249815	04-05-2000	Univ. of North Carolina		
	7.	CN-1325490	12-05-2001	Sensor Tech Ltd.		
	8.	WO-94/14066	06-23-1994	Victoria Univ. of Manchester		

^{*}EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (both magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T²			
	9.	BAUER et al., Anal. Chem. (1996) 68:2453-2458			
	10.	BLONDER et al., Anal. Chem. (1996) 68:3151-3157			
	11.	CARUANA and HELLER, J. Am. Chem. Soc. (1999) 121:769-774			
	12.	GOOD et al., Biochemistry (1966) 5:467-477			
	13.	International Search Report for PCT/CN03/00329, mailed on August 21, 2003, 5 pages			
	14.	LANGAN et al., (eds.), Ligand Assay, Masson Publishing, New York (1981) pp. 211			

^{*}EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner	Date	
Signature	Considered	i

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.